

IT IS CLAIMED:

1. A resin composition, comprising:

- (iii) about 1 to about 96 weight percent poly(lactic acid),
- 5 (iv) about 1 to about 96 weight percent polyoxymethylene, and
- (iii) about 3 to about 40 weight percent of an impact modifier comprising an ethylene copolymer impact modifier derived from copolymerizing:
 - (a) about 20 to about 95 weight percent ethylene;
 - 10 (b) about 3 to about 70 weight percent of one or more olefins of the formula $\text{CH}_2=\text{C}(\text{R}^1)\text{CO}_2\text{R}^2$, where R^1 is hydrogen or an alkyl group with 1-8 carbon atoms and R^2 is an alkyl group with 1-8 carbon atoms; and
 - 15 (c) about 0.5 to about 25 weight percent of one or more olefins of the formula $\text{CH}_2=\text{C}(\text{R}^3)\text{CO}_2\text{R}^4$, where R^3 is hydrogen or an alkyl group with 1-6 carbon atoms, and R^4 is glycidyl,

wherein the weight percentages of the poly(lactic acid), polyoxymethylene, and the impact modifier are based on the total weight of the poly(lactic acid), polyoxymethylene, and the impact modifier.

2. The composition of claim 1, wherein (a) is about 20 to about 90 weight percent ethylene.

3. The composition of claim 1, wherein (a) is about 40 to about 90 weight percent ethylene.

4. The composition of claim 1, wherein (a) is about 50 to about 80 weight percent ethylene.

5. The composition of claim 1, wherein (b) is about 20 to about 35 weight percent of one or more olefins of the formula $\text{CH}_2=\text{C}(\text{R}^1)\text{CO}_2\text{R}^2$, where R^1 is hydrogen or an alkyl group with 1-8 carbon atoms and R^2 is an alkyl group with 1-8 carbon atoms.

6. The composition of claim 1, wherein (c) is about 3 to about 17 weight percent of at least one olefin of the formula $\text{CH}_2=\text{C}(\text{R}^3)\text{CO}_2\text{R}^4$, where R^3 is hydrogen or an alkyl group with 1-6 carbon atoms, and R^4 is glycidyl.
- 5 7. The composition of claim 1, wherein the ethylene copolymer impact modifier is further derived from copolymerizing (d) 0 to about 20 weight percent carbon monoxide.
8. The composition of claim 1 wherein (b) is butyl acrylate and (c) is glycidyl
10 methacrylate.
9. The composition of claim 1 wherein the impact modifier (iii) further comprises about 1 to about 75 weight percent of one or more ionomers, based on the total weight of the impact modifier.
- 15 10. The composition of claim 1, wherein the impact modifier (iii) further comprises 10 to 50 weight percent of one or more ionomers, based on the total weight of the impact modifier.
- 20 11. The composition of claim 1, wherein the impact modifier (iii) further comprises up to about 50 weight percent of one or more copolymers of ethylene and an acrylate ester or vinyl acetate, based on the total weight of the impact modifier.
- 25 12. The composition of claim 1, further comprising one or more cationic grafting catalysts.
13. The composition of claim 12, wherein the cationic grafting catalysts are selected from the group consisting of salts of hydrocarbon mono-, di-, or
30 polycarboxylic acids.
14. The composition of claim 12 wherein the cationic grafting catalysts are one or more of stannous octanoate, zinc stearate, zinc carbonate, and zinc diacetate.
- 35 15. A molded article comprising the composition of claim 1.
16. An extruded article comprising the composition of claim 1.

17. A sheet comprising the composition of claim 1.

18. A thermoformed article made from the sheet according to claim 17.

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